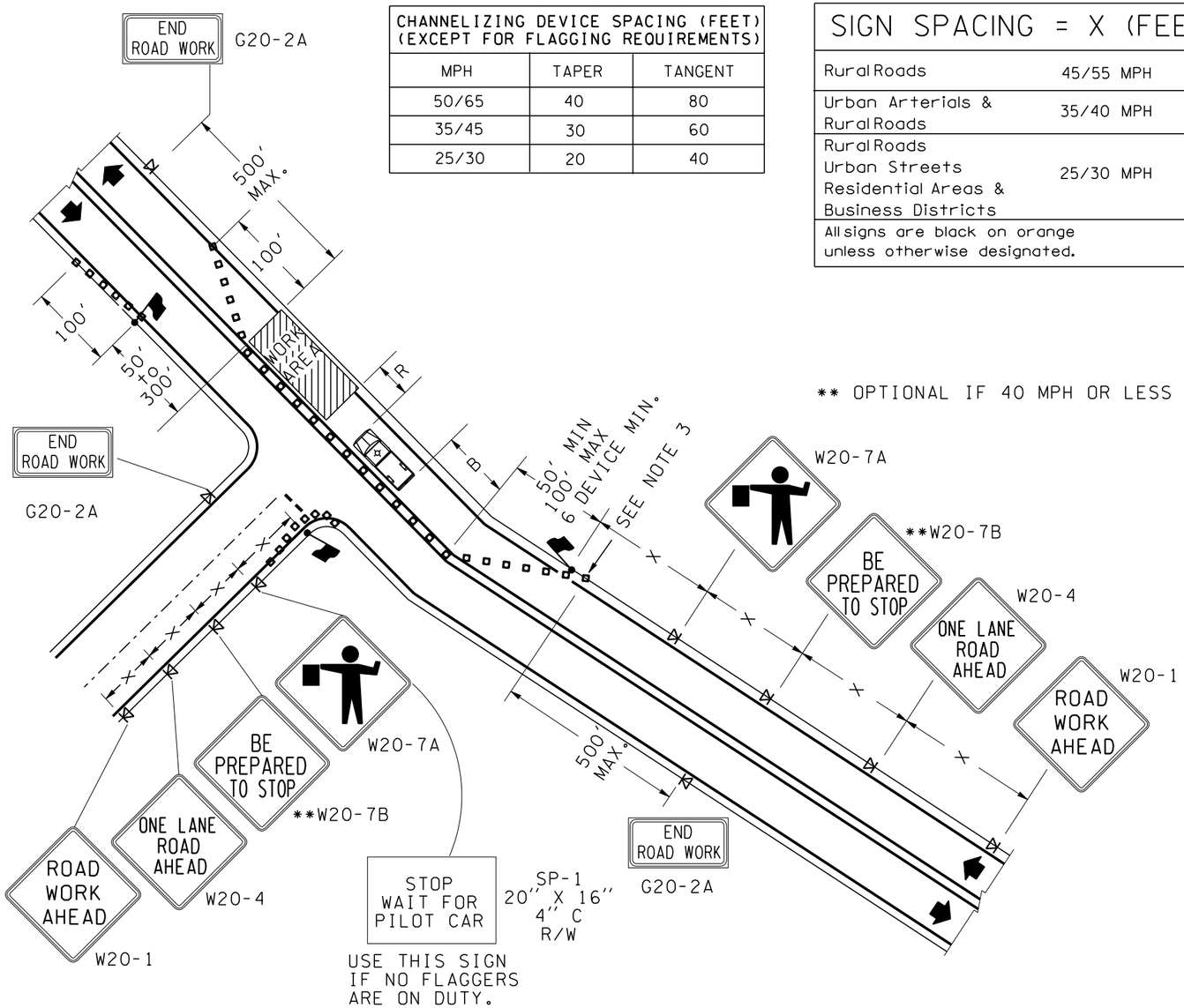

CHANNELIZING DEVICE SPACING (FEET) (EXCEPT FOR FLAGGING REQUIREMENTS)		
MPH	TAPER	TANGENT
50/65	40	80
35/45	30	60
25/30	20	40

SIGN SPACING = X (FEET)		
Rural Roads	45/55 MPH	500'+-
Urban Arterials & Rural Roads	35/40 MPH	350'+-
Rural Roads Urban Streets Residential Areas & Business Districts	25/30 MPH	200'+-
All signs are black on orange unless otherwise designated.		

NOTES

1. FLAGGER STATIONS SHALL BE ILLUMINATED DURING HOURS OF DARKNESS.
2. EXTEND DEVICES TAPER ACROSS SHOULDER.
3. SIGN SEQUENCE IS THE SAME FOR BOTH DIRECTIONS OF TRAVEL ON THE HIGHWAY.
4. RADIO COMMUNICATION RECOMMENDED BETWEEN FLAGGERS. REQUIRED IF FLAGGERS DO NOT HAVE CLEAR VISION OF EACH OTHER.

BUFFER DATA

BUFFER SPACE = B

SPEED (MPH)	25	30	35	40	45	50	55		
LENGTH (feet)	55	85	120	170	220	280	335		

PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R

VEHICLE TYPE	TYPICAL VEHICLE LOADED WEIGHT (LBS)	POSTED SPEED (mph)	STATIONARY OPERATION (feet)
4 YARD DUMP TRUCK	24,000	50-55	75
		45	50
2 TON CARGO TRUCK	15,000	50-55	100
		45	75
1 TON CARGO TRUCK	10,000	50-55	150
		45	100

ROLL AHEAD STOPPING DISTANCE ASSUMES DRY PAVEMENT.

LEGEND

- SIGN LOCATION - TRIPOD MOUNT
- TEMPORARY TRAFFIC CONTROL DEVICES
- FLAGGING STATION
- PROTECTIVE VEHICLE (WHEN SPECIFIED IN CONTRACT)
- ---- EXISTING STOP BAR

FOR PILOT CAR OPERATIONS THE FOLLOWING SIGNS SHALL BE REQUIRED TO SUPPLEMENT THE SIGNS SHOWN ON THIS PLAN.

G20-4
36'' X 18''
PILOT CAR FOLLOW ME
(ON PILOT CAR)

SP-1
20'' X 16''
4'' C
R/W
STOP WAIT FOR PILOT CAR
(FOR ROAD APPROACHES AS NEEDED)

ALAN O. KING
STATE OF WASHINGTON
15213
REGISTERED PROFESSIONAL ENGINEER

EXPIRES NOVEMBER 23, 2003

ALTERNATING ONE-WAY TRAFFIC FLAGGER CONTROLLED OR PILOT CAR CONTROLLED STANDARD PLAN K-3

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Harold J. Peterfeso — STATE DESIGN ENGINEER — *12-20-02* DATE

Washington State Department of Transportation

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.